

SEQUENCE LISTING

- (1) GENERAL INFORMATION:
 - (i) APPLICANT: Falck-Pedersen, Erik S.
 - (ii) TITLE OF INVENTION: ADENOVIRUS GENE EXPRESSION SYSTEM
 - (iii) NUMBER OF SEQUENCES: 1
 - (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Alan S. Korman
 - (B) STREET: 1600 Main Place Tower
 - (C) CITY: Buffalo
 - (D) STATE: New York
 - (E) COUNTRY: U.S.A.
 - (F) ZIP: 14202
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
 - (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/166,925
 - (B) FILING DATE: 12/14/93
 - (C) CLASSIFICATION:
 - (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Korman, Alan S.
 - (B) REGISTRATION NUMBER: 33,932
 - (C) REFERENCE/DOCKET NUMBER: 19603/230
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 716-853-8104
 - (B) TELEFAX: 716-853-8109
 - (2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6783 base pairs
 - (B) TYPE: cDNA
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA (genomic)
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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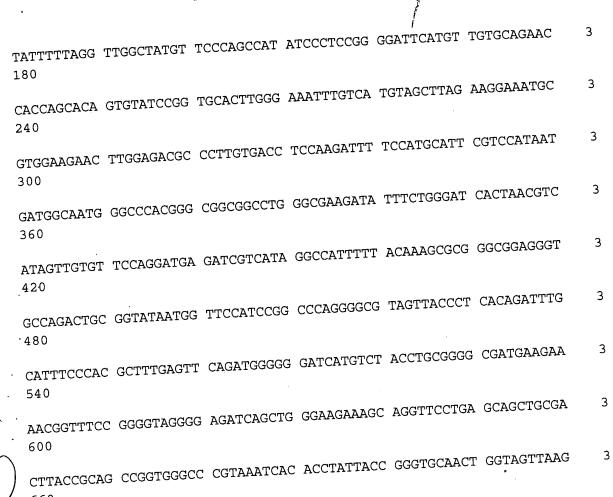
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440

GCAAAATGAT AGACATTTGA AAATCTGTCT TCTGACAAAT AAAAAGCATT TATGTTCACT 1 500 GCAATGATGT TTTAAATTAT TTGTCTGTGT CATAGAAGGG TTTATGCTAA GTTTTCAAGA 560 TACAAAGAAG TGAGGCTTCA GGTCTGACCT TGGGGAAATA AATGAATTAC ACTTCAAATT 620 GTGTTGTCAG CTAAGCAGCA GTAGCCACAG TCTAGCTGAG GGTAACTCCA GGGTGCGCCA CAATGTGGCC TCCGACTGTG GTTGCTTCAT GCTAGTGAAA AGCGTGGCTG TGATTAAGCA TAACATGGTA TGTGGCAACT GCGAGGACAG GGCCTCTCAG ATGCTGACCT GCTCGGACGG 1 .800 CAACTGTCAC CTGCTGAAGA CCATTCACGT AGCCAGCCAC TCTCGCAAGG CCTGGCCAGT 1 860 GTTTGAGCAT AACATACTGA CCCGCTGTTC CTTGCATTTG GGTAACAGGA GGGGGGTGTT 1 920 CCTACCTTAC CAATGCAATT TGAGTCACAC TAAGATATTG CTTGAGCCCG AGAGCATGTC 1 980 CAAGGTGAAC CTGAACGGGG TGTTTGACAT GACCATGAAG ATCTGGAAGG TGCTGAGGTA 2 040 CGATGAGACC CGCACCAGGT GCAGACCCTG CGAGTGTGGC GGTAAACATA TTAGGAACCA 2 100 GCCTGTGATG CTGGATGTGA CCGAGGAGCT GAGGCCCGAT CACTTGGTGC TGGCCTGCAC 160 CCGCGCTGAG TTTGGCTCTA GCTATGAAGA TACAGATTGA GGTACTGAAA TGTGTGGGCG TGGCTTAAGG GTGGGAAAGA ATATATAAGG TGGGGGTCTT ATGTAGTTTT GTATCTGTTT 2

280

TGCAGCAGCC GCCGCCGCA TGAGCACCAA CTCGTTTGAT GGAAGCATTG TGAGCTCATA 2 340 TTTGACAACG CGCATGCCCC CATGGGCCGG GGTGCGTCAG AATGTGATGG GCTCCAGCAT 2 400 TGATGGTCGC CCCGTCCTGC CCGCAAACTC TACTACCTTG ACCTACGAGA CCGTGTCTGG 2 AACGCCGTTG GAGACTGCAG CCTCCGCCGC CGCTTCAGCC GCTGCAGCCA CCGCCCGCGG 2 520 GATTGTGACT GACTTTGCTT TCCTGAGCCC GCTTGCAAGC AGTGCAGCTT CCCGTTCATC 2 CGCCCGCGAT GACAAGTTGA CGGCTCTTTT GGCACAATTG GATTCTTTGA CCCGGGAACT 2 TAATGTCGTT TCTCAGCAGC TGTTGGATCT GCGCCAGCAG GTTTCTGCCC TGAAGGCTTC 2 700 CTCCCCTCCC AATGCGGTTT AAAACATAAA TAAAAAACCA GACTCTGTTT GGATTTGGAT 2 760 CAAGCAAGTG TCTTGCTGTC TTTATTTAGG GGTTTTGCGC GCGCGGTAGG CCCGGGACCA 2 820 GCGGTCTCGG TCGTTGAGGG TCCTGTGTAT TTTTTCCAGG ACGTGGTAAA GGTGACTCTG 2 880 GATGTTCAGA TACATGGGCA TAAGCCCGTC TCTGGGGTGG AGGTAGCACC ACTGCAGAGC 2 940 TTCATGCTGC GGGGTGGTGT TGTAGATGAT CCAGTCGTAG CAGGAGCGCT GGGCGTGGTG 3 CCTAAAAATG TCTTTCAGTA GCAAGCTGAT TGCCAGGGGC AGGCCCTTGG TGTAAGTGTT TACAAAGCGG TTAAGCTGGG ATGGGTGCAT ACGTGGGGAT ATGAGATGCA TCTTGGACTG

120



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720

3

3

3

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840
CGTTTGACCA AGCAGTTCCA GGCGGTCCCA CAGCTCGGTC ACCTGCTCTA CGGCATCTCG 3

ATCCAGCATA TCTCCTCGTT TCGCGGGTTG GGGCGGCTTT CGCTGTACGG CAGTAGTCGG 3

TGCTCGTCCA GACGGGCCAG GGTCATGTCT TTCCACGGGC GCAGGGTCCT CGTCAGCGTA 4 GTCTGGGTCA CGGTGAAGGG GTGCGCTCCG GGCTGCGCGC TGGCCAGGGT GCGCTTGAGG CTGGTCCTGC TGGTGCTGAA GCGCTGCCGG TCTTCGCCCT GCGCGTCGGC CAGGTAGCAT TTGACCATGG TGTCATAGTC CAGCCCCTCC GCGGCGTGGC CCTTGGCGCG CAGCTTGCCC TTGGAGGAGG CGCCGCACGA GGGGCAGTGC AGACTTTTGA GGGCGTAGAG CTTGGGCGCG AGAAATACCG ATTCCGGGGA GTAGGCATCC GCGCCGCAGGC CCCCGCAGAC GGTCTCGCAT 4 TCCACGAGCC AGGTGAGCTC TGGCCGTTCG GGGTCAAAAA CCAGGTTTCC CCCATGCTTT 4 TTGATGCGTT TCTTACCTCT GGTTTCCATG AGCCGGTGTC CACGCTCGGT GACGAAAAGG 4 CTGTCCGTGT CCCCGTATAC AGACTTGAGA GGTCGAGCGA TGCCCTTGAG AGCCTTCAAC 500 CCAGTCAGCT CCTTCCGGTG GGCGCGGGGC ATGACTATCG TCGCCGCACT TATGACTGTC TTCTTTATCA TGCAACTCGT AGGACAGGTG CCGGCAGCGC TCTGGGTCAT TTTCGGCGAG GACCGCTTTC GCTGGAGCGC GACGATGATC GGCCTGTCGC TTGCGGTATT CGGAATCTTG CACGCCCTCG CTCAAGCCTT CGTCACTGGT CCCGCCACCA AACGTTTCGG CGAGAAGCAG GCCATTATCG CCGGCATGGC GGCCGACGCG CTGGGCTACG TCTTGCTGGC GTTCGCGACG

800

CGAGGCTGGA TGGCCTTCCC CATTATGATT CTTCTCGCTT CCGGCGGCAT CGGGATGCCC GCGTTGCAGG CCATGCTGTC CAGGCAGGTA GATGACGACC ATCAGGGACA GCTTCAAGGA 4 920 TCGCTCGCGG GTAAAAAGGC CGCGTTGCTG GCGTTTTTCC ATAGGCTCCG CCCCCTGAC 980 GAGCATCACA AAAATCGACG CTCAAGTCAG AGGTGGCGAA ACCCGACAGG ACTATAAAGA TACCAGGCGT TTCCCCCTGG AAGCTCCCTC GTGCGCTCTC CTGTTCCGAG CCTGCCGCTT ACCGGATACC TGTCCGCCTT TCTCCCTTCG GGAAGCGTGG CGCTTTCTCA ATGCTCACGC 5 -160 · TGTAGGTATC TCAGTTCGGT GTAGGTCGTT CGCTCCAAGC TGGGCTGTGT GCACGAACCC 5 220 CCCGTTCAGC CCGACCGCTG CGCCTTATCC GGTAACTATC GTCTTGAGTC CAACCCGGTA 5 280 AGACACGACT TATCGCCACT GGCAGCAGCC ACTGGTAACA GGATTAGCAG AGCGAGGTAT 5 340 GTAGGCGGTG CTACAGAGTT CTTGAAGTGG TGGCCTAACT ACGGCTACAC TAGAAGGACA 5 400 GTATTTGGTA TCTGCGCTCT GCTGAAGCCA GTTACCTTCG GAAAAAGAGT TGGTAGCTCT 5 460 TGATCCĢGCA AACAAACCAC CGCTGGTAGC GGTGGTTTTT TTGTTTGCAA GCAGCAGATT 5 520 ACGCGCAGAA AAAAAGGATC TCAAGAAGAT CCTTTGATCT TTTCTACGGG GTCTGACGCT 580 CAGTGGAACG AAAACTCACG TTAAGGGATT TTGGTCATGA GATTATCAAA AAGGATCTTC 5 640

ACCTAGATCC TTTTAAATTA AAAATGAAGT TTTAAATCAA TCTAAAGTAT ATATGAGTAA 5 700 ACTTGGTCTG ACAGTTACCA ATGCTTAATC AGTGAGGCAC CTATCTCAGC GATCTGTCTA 5 TTTCGTTCAT CCATAGTTGC CTGACTCCCC GTCGTGTAGA TAACTACGAT ACGGGAGGGC 820 TTACCATCTG GCCCCAGTGC TGCAATGATA CCGCGAGACC CACGCTCACC GGCTCCAGAT 880 TTATCAGCAA TAAACCAGCC AGCCGGAAGG GCCGAGCGCA GAAGTGGTCC TGCAACTTTA 5 940 TCCGCCTCCA TCCAGTCTAT TAATTGTTGC CGGGAAGCTA GAGTAAGTAG TTCGCCAGTT 6 000 AATAGTTTGC GCAACGTTGT TGCCATTGCT GCAGGCATCG TGGTGTCACG CTCGTCGTTT 060 GGTATGGCTT CATTCAGCTC CGGTTCCCAA CGATCAAGGC GAGTTACATG ATCCCCCATG 120 TTGTGCAAAA AAGCGGTTAG CTCCTTCGGT CCTCCGATCG TTGTCAGAAG TAAGTTGGCC 180 GCAGTGTTAT CACTCATGGT TATGGCAGCA CTGCATAATT CTCTTACTGT CATGCCATCC 240 GTAAGATGCT TTTCTGTGAC TGGTGAGTAC TCAACCAAGT CATTCTGAGA ATAGTGTATG 300 CGGCGACCGA GTTGCTCTTG CCCGGCGTCA ACACGGGATA ATACCGCGCC ACATAGCAGA ACTITAAAAG TGCTCATCAT TGGAAAACGT TCTTCGGGGC GAAAACTCTC AAGGATCTTA CCGCTGTTGA GATCCAGTTC GATGTAACCC ACTCGTGCAC CCAACTGATC TTCAGCATCT 480



TTTACTTTCA 540	CCAGCGTTTC	TGGGTGAGCA	AAAACAGGAA	GGCAAAATGC	CGCAAAAAAG	6
GGAATAAGGG 600	CGACACGGAA	ATGTTGAATA	CTCATACTCT	TCCTTTTTCA	ATATTATTGA	6
AGCATTTATC 660	AGGGTTATTG	TCTCATGAGC	GGATACATAT	TTGAATGTAT	TTAGAAAAAT	6
AAACAAATAG 720	GGGTTCCGCG	CACATTTCCC	CGAAAAGTGC	CACCTGACGT	CTAAGAAACC	6
ATTATTATCA 780	TGACATTAAC	CTATTAAAAT	AGGCGTATCA	CGAGGCCCTT	TCGTCTTCAA	ϵ
GAA 783						6

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